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Refine Search

Search Results -

Terms	Documents
L10 and (identification near code)	7

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L16

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Monday, July 19, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L16	L10 and (identification near code)	7	L16
L15	L10 and (identification same code)	22	L15
L14	L12 and L1	4	L14
L13	L10 and L12	0	L13
L12	AIN or (automatic near number near identification)	166252	L12
L11	L10 and (AIN or (automatic near number near identification))	0	L11
L10	(L4 or L6) and ((transmit$4 same (fraction or portion or part) near message))	58	L10
L9	(L4 or L6) and (transmit$4 same message)	1961	L9
L8	(L4 or L6) and transmit$4	5553	L8
L7	(L4 or L6) and transmit$	5555	L7
L6	L5 and (advertis$ or advertiz$)	6158	L6
L5	705/$.ccls.	28021	L5

L4	L3 and (advertis$ or advertiz$)	1896	L4
L3	707/$.ccls.	21518	L3
L2	L1 and (advertis$ same (product or service))	32	L2
L1	(address$2 same (electronic$1 near message)).clm.	267	L1

END OF SEARCH HISTORY

h e b b cg b e e ch

Refine Search

Search Results -

Terms	Documents
((send$3 or transmit$4) near3 (portion near message)) same product	9

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Monday, July 19, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L30	((send$3 or transmit$4) near3 (portion near message)) same product	9	L30
L29	((send$3 or transmit$) near3 (portion near message)) same product	9	L29
DB=USPT; PLUR=YES; OP=OR			
L28	L24 and ((send$3 or transmit$) same (portion near message))	30	L28
L27	L26 not L25	3	L27
L26	L24 and ((send$3 near5 (portion or part) near message))	9	L26
L25	L24 and ((send$3 near3 (portion or part) near message))	6	L25
L24	L23 and ((transmit$4 same (fraction or portion or part) near message))	53	L24
L23	709/206.ccls.	929	L23
L22	(AT&T near corporation) and ((transmit$4 same (fraction or portion or part) near message))	3	L22
L21	L10	37	L21
L20	L19	16	L20

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L19	L17 and (transmit$4 same message)	37	L19
L18	((telephone near number) same (identif$8 or id or code) same (product near information)).clm.	3	L18
L17	(telephone near number) same (identif$8 or id or code) same (product near information)	96	L17
L16	L10 and (identification near code)	7	L16
L15	L10 and (identification same code)	22	L15
L14	L12 and L1	4	L14
L13	L10 and L12	0	L13
L12	AIN or (automatic near number near identification)	166252	L12
L11	L10 and (AIN or (automatic near number near identification))	0	L11
L10	(L4 or L6) and ((transmit$4 same (fraction or portion or part) near message))	58	L10
L9	(L4 or L6) and (transmit$4 same message)	1961	L9
L8	(L4 or L6) and transmit$4	5553	L8
L7	(L4 or L6) and transmit$	5555	L7
L6	L5 and (advertis$ or advertiz$)	6158	L6
L5	705/$.ccls.	28021	L5
L4	L3 and (advertis$ or advertiz$)	1896	L4
L3	707/$.ccls.	21518	L3
L2	L1 and (advertis$ same (product or service))	32	L2
L1	(address$2 same (electronic$1 near message)).clm.	267	L1

END OF SEARCH HISTORY

```
Set     Items   Description
S1       6008   (FIRST OR 1ST OR PRIME OR PRIMARY OR INITIAL OR LEADING OR
            MAIN OR DOMINANT OR CARDINAL OR ORIGINAL)(2N)(DATABASE OR DAT-
            A()BASE OR FILE?)
S2       4007   (SECOND OR 2ND OR ANOTHER)(2N)(DATABASE OR DATA()BASE OR F-
            ILE?)
S3    6935006   CONTAIN? OR INCLUDE? OR HOLD? OR ENCLOSE? OR WRAP?
S4     288945   (TELEPHONE OR PHONE)()NUMBER OR ADDRESS OR (PERSONAL OR PR-
            IVATE OR INDIVIDUAL)(2N)(INFORMATION OR DATA OR FACT? OR KNOW-
            LEDGE)
S5       4649   PRODUCT () (IDENTIFIER? OR CODE?) OR IDENTIFIER?()CODE? OR
            UPC OR UPCS OR PRODUCT()(DATA OR INFORMATION)
S6    2985547   IDENTIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT?
             OR VERIF? OR JUDGE? OR AUTHENTICAT? OR VALIDAT?
S7      30943   (TELEPHONE OR PHONE)()NUMBER
S8      11856   (TELEPHONE OR PHONE)()(CALL OR CONTACT)
S9    5049082   SEND? ? OR TRANSMIT? OR TRANSMISSION OR FORWARD? OR MAIL? -
           OR TRANSFER? OR CONVEY? OR DELIVER? OR OUTPUT? OR OUT()PUT?
S10   1770002   "AT"()LEAST
S11        30   (PORTION? OR PART? OR SEGMENT? OR PIECE)()S5
S12        70   (RETRIEV? OR ACCESS? OR OBTAIN?)()S5
S13       228   S1 AND S3 AND S4
S14        13   S2 AND S3 AND S5
S15      1197   S6 AND S7 AND S8
S16        55   S6 (3N) S7 (3N) S8
S17         0   S9 AND (S10 (2N) S11) AND S12
S18         1   S9 AND S11 AND S12
S19         2   S13 AND S14
S20       327   (S6 (3N) S7) AND S8
S21         1   S20 AND S1
S22        59   S16 OR S18 OR S19 OR S21
S23        13   S22 AND IC=G06F?
File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)
        (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200445
        (c) 2004  Thomson Derwent
```

23/5/4 (Item 4 from file: 347)

06839909 **Image available**
PRODUCT DISMANTLEMENT WORK SUPPORT SYSTEM

PUB. NO.: 2001-067404 [JP 2001067404 A]
PUBLISHED: March 16, 2001 (20010316)
INVENTOR(s): SOGA SHUJI
YAMAGUCHI NOBUO
HIROSHIGE YUUZOU
APPLICANT(s): HITACHI LTD
APPL. NO.: 11-239175 [JP 99239175]
FILED: August 26, 1999 (19990826)
INTL CLASS: **G06F-017/60** ; B09B-005/00; G06K-007/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide an information in which work principles and the levels of workers, which are peculiar to respective processing factories, are reflected by providing product information stored in a storage medium added to a product, generating a dismantlement processing work method from the information and **outputting** or a screen.

SOLUTION: An input device 1 **obtains product information** on a product which needs a processing, which is stored in a storage medium given to the product. A processing arithmetic unit 2 is constituted of a display object part selection/processing method judging function 21, a work support information generation function 22 and an **output** function 23 **outputting** generated information. The processing arithmetic unit 2 selects constitution parts that a worker is to notice on a processing when the respective processing factories execute work by the original processing method and judges the processing method of the notice item and the **parts** . **Product information** 31 and a worker experience degree 32 exist as a data base in a storage device 3 storing information on work principles and the experience degrees of the workers, which the respective processing factories originally have. A result that the processing arithmetic unit 2 operates is displayed on an **output** device 4.

23/5/5 (Item 5 from file: 347)

06722288 **Image available**
SECURITY DEVICE AND SECURITY METHOD

PUB. NO.: 2000-308126 [JP 2000308126 A]
PUBLISHED: November 02, 2000 (20001102)
INVENTOR(s): SUZUKI YUICHIRO
APPLICANT(s): CANON INC
APPL. NO.: 11-108493 [JP 99108493]
FILED: April 15, 1999 (19990415)
INTL CLASS: H04Q-007/38; **G06F-001/00** ; **G06F-012/14** ; **G06F-013/00** ; H04M-011/04

ABSTRACT

PROBLEM TO BE SOLVED: To safely and securely take back confidential data in a communication device when it is stolen by permitting a data storage means where data can be written and deleted to detect that a device body is stolen, to discriminate the importance of data and to transfer the data to a base station in accordance with the importance.

SOLUTION: When a telephone call is made to a portable information unit 100, a portable telephone circuit 2 receives the **telephone number** of an

opposite party making a **telephone call** and sends it to a **telephone number recognition** circuit 4 through a data line. The telephone number recognition circuit 4 compares the received telephone number with the telephone number recorded in a memory 5. When they match, a signal 14 showing the matching of the telephone numbers is given to a power circuit 8. The power circuit 8 supplies power to a PC function module 6 through a power line for PC function module 16 and outputs a burglary notification signal 20 to a chip set 7. CPU 9 executes a program for burglary time in a hard disk 10, writes it in a list file and terminates a processing.

23/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO

06053246 **Image available**
INFORMATION PROCESSOR, INFORMATION PROCESSING METHOD AND MEDIUM

PUB. NO.: 10-336346 [JP 10336346 A]
PUBLISHED: December 18, 1998 (19981218)
INVENTOR(s): KAWAMOTO HIROSHI
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-146988 [JP 97146988]
FILED: June 05, 1997 (19970605)
INTL CLASS: [6] H04M-011/00; **G06F-013/00** ; H04M-001/27
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 45.2 (INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers); R139 (INFORMATION PROCESSING -- Word Processors)

ABSTRACT

PROBLEM TO BE SOLVED: To provide the information processor where trouble of a phone call manual input operation is avoided and dialing is made directly from information including a telephone number to make a speech, to provide the information processing method and the medium storing its software program.

SOLUTION: The information processor 10 has a detection means 30 and a telephone dial means 34. The detection means 30 detects a telephone number included in processed information and displays the detected result in a way of a telephone number or other comment. In the case that the user desires a **phone call** to an opposite party with the **detected telephone number** , the user selects the displayed part to start the telephone dial means 34. The started telephone dial means 34 dials the telephone number of the opposite party via a communication connection means 1 automatically and sets up the communication. Thus, the user easily makes a speech with the opposite party. In order that the detection means 30 easily detects a telephone number, a prescribed description form for the telephone number is decided by a specification means 32.

23/5/9 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013926884
WPI Acc No: 2001-411097/200144
XRAM Acc No: C01-124587
XRPX Acc No: N01-304184

Delivering bio- product information , **useful for guaranteeing the quality of a the bio-product or delivering gene information, comprises employing a computer program comprising a program code means for performing the method**

Patent Assignee: HITACHI LTD (HITA)
Inventor: IHARA S; KANAE H
Number of Countries: 026 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1111525	A2	20010627	EP 2000302221	A	20000317	200144	B
JP 2001243325	A	20010907	JP 200063287	A	20000303	200166	
			JP 2000123682	A	20000303		
JP 2001243327	A	20010907	JP 200063287	A	20000303	200166	
JP 3324594	B2	20020917	JP 200063287	A	20000303	200268	

Priority Applications (No Type Date): JP 99360350 A 19991220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1111525	A2	E	22	G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2001243325	A		18	G06F-017/60	Div ex application JP 200063287
JP 2001243327	A		21	G06F-017/60	
JP 3324594	B2		18	G06F-017/60	Previous Publ. patent JP 2001243327

Abstract (Basic): EP 1111525 A2
NOVELTY - Delivering bio- **product information** comprises employing a package **containing** a bio-product and a storage medium recording information concerning an information-reference database for the bio-product, a terminal for reading out an information-reference database, an information center connected to a network to permit access from the terminal, and a database connected to the network.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are **included** for the following:
(1) delivering (M1) bio- **product information** , e.g. delivering primer information;
(2) a computer program comprising a program code means for performing M1; and
(3) primer or bio- **product information** delivered using M1.
USE - The methods are useful for delivering a variety of bio- **product information** , e.g. quality guarantee of a bio-product or delivering gene information. In particular, the methods are useful for delivering the latest information concerning the effects, efficacy or safety of bio-products.
pp; 22 DwgNo 0/10
Title Terms: DELIVER; BIO; PRODUCT; INFORMATION; USEFUL; GUARANTEE; QUALITY ; BIO; PRODUCT; DELIVER; GENE; INFORMATION; COMPRISE; EMPLOY; COMPUTER; PROGRAM; COMPRISE; PROGRAM; CODE; PERFORMANCE; METHOD
Derwent Class: B04; D16; P85; T01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): C12N-015/09; **G06F-017/30** ; G09F-003/00
File Segment: CPI; EPI; EngPI

23/5/10 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012306768 **Image available**
WPI Acc No: 1999-112874/199910
XRPX Acc No: N99-082745
Information processor for telephone system - has telephone calling unit that calls detected telephone number through communication connection unit
Patent Assignee: SONY CORP (SONY)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10336346	A	19981218	JP 97146988	A	19970605	199910	B

Priority Applications (No Type Date): JP 97146988 A 19970605
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 10336346 A 9 H04M-011/00

Abstract (Basic): JP 10336346 A
NOVELTY - A communication connection unit (16) is used for connecting to a communications network. A detector (30) determines the telephone number of the caller based on information gathered by an application software. A display unit (34) display the detected telephone number of the caller. A telephone calling unit (34) calls the detected telephone via the communications connection unit.
USE - Telephone system.
ADVANTAGE - Improves **telephone number detection** speed, and simplifies **telephone call** operation. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the information processor. (16) communication connections unit; (30) detector; (34) display unit; (34) telephone calling unit.
Dwg.1/8
Title Terms: INFORMATION; PROCESSOR; TELEPHONE; SYSTEM; TELEPHONE; CALL; UNIT; CALL; DETECT; TELEPHONE; NUMBER; THROUGH; COMMUNICATE; CONNECT; UNIT
Derwent Class: T01; W01
International Patent Class (Main): H04M-011/00
International Patent Class (Additional): **G06F-013/00** ; H04M-001/27
File Segment: EPI

23/5/11 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012240090 **Image available**
WPI Acc No: 1999-046198/199904
XRPX Acc No: N99-033698
Telephone number identifying method e.g. for Web - recognising and accessing telephone numbers from Web page with HTML code of accessed Web page is parsed and converted with parsing algorithm applied to text in HTML document pattern recognises telephone numbers
Patent Assignee: INFOGEAR TECHNOLOGY CORP (INFO-N)
Inventor: GIORDANO J
Number of Countries: 074 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9856159	A1	19981210	WO 98US11054	A	19980529	199904	B
ZA 9804535	A	19990224	ZA 984535	A	19980527	199913	
AU 9878043	A	19981221	AU 9878043	A	19980529	199919	
EP 985310	A1	20000315	EP 98926137	A	19980529	200018	
			WO 98US11054	A	19980529		

Priority Applications (No Type Date): US 97868216 A 19970603
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9856159 A1 E 18 H04M-007/00
Designated States (National): AL AU BA BB BG BR CA CN CU CZ EE GE GW HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
EP 985310 A1 E H04M-007/00 Based on patent WO 9856159
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
ZA 9804535 A 15 G06F-000/00
AU 9878043 A H04M-007/00 Based on patent WO 9856159

Abstract (Basic): WO 9856159 A
The method involves parsing an electronic document. A telephone

number contained within an electronic document is recognised. The telephone number is converted to an iconic representation. The recognising step comprises the steps of' transparently disconnecting from the session upon selection of the iconified telephone number and calling the **telephone number** . The termination of the **telephone call** is **recognised** and transparently re-connecting to the session. The parsing step includes applying a parsing algorithm to the electronic document to pattern-recognise a telephone number contained in it.

There is also the step of transmitting or displaying the electronic document with the iconified telephone number to a complementary device. The device is an Internet-capable telephone. There is also the steps of converting an HTML code representation of a Web page and adding a representation that iconifies the recognised telephone number. The HTML code representation is translated to another format at either a server or a client device. The iconified telephone number is identified by one of a button surrounding the number, font appearance, underlining, or highlighting.

ADVANTAGE - Allows telephone numbers to be iconified to permit automatic dialling of selected number. Organises telephone numbers to facilitate locating desired number.

Dwg.1/3

Title Terms: TELEPHONE; NUMBER; IDENTIFY; METHOD; WEB; RECOGNISE; ACCESS; TELEPHONE; NUMBER; WEB; PAGE; CODE; ACCESS; WEB; PAGE; CONVERT; PARSE; ALGORITHM; APPLY; TEXT; DOCUMENT; PATTERN; RECOGNISE; TELEPHONE; NUMBER
Derwent Class: P85; T01; W01
International Patent Class (Main): **G06F-000/00** ; H04M-007/00
International Patent Class (Additional): G06K-000/00; G09G-000/00; H04L-000/00; H04M-001/00
File Segment: EPI; EngPI

23/5/12 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011657509 **Image available**
WPI Acc No: 1998-074417/199807
XRPX Acc No: N98-059788

Data processor e.g. PDA with radio communication function - has display device which displays calling party telephone number and calling party identification data acquired by data acquisition unit corresponding to searched address data

Patent Assignee: TOSHIBA COMPUTER ENG KK (TOSH-N); TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9312701	A	19971202	JP 96125755	A	19960521	199807	B

Priority Applications (No Type Date): JP 96125755 A 19960521
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9312701	A		12	H04M-011/00	

Abstract (Basic): JP 9312701 A

The data processor has an telephone number acquisition unit which obtains the telephone number of a calling party. A searching unit searches an address data, corresponding to the acquired telephone number, from the address area (12c) of a RAM (12).

An identification data acquisition unit obtains an identification data which identifies the calling party corresponding to the searched address data. A display device (17) is provided to display the acquired telephone number and identification data.

ADVANTAGE - Enables immediate **identification** of calling party before taking **telephone call** , by displaying **identification** data and corresponding **telephone number** . Enables determination of calling party's address from memorandum data, and vice versa. Prevents

cancellation of input telephone number corresponding to schedule of calling party.

Dwg.1/10

Title Terms: DATA; PROCESSOR; RADIO; COMMUNICATE; FUNCTION; DISPLAY; DEVICE ; DISPLAY; CALL; PARTY; TELEPHONE; NUMBER; CALL; PARTY; IDENTIFY; DATA; ACQUIRE; DATA; ACQUIRE; UNIT; CORRESPOND; SEARCH; ADDRESS; DATA

Index Terms/Additional Words: PERSONAL; DIGITAL; ASSISTANT

Derwent Class: T01; W01

International Patent Class (Main): H04M-011/00

International Patent Class (Additional): **G06F-017/30** ; H04M-001/57

File Segment: EPI

23/5/13 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

011345020 **Image available**

WPI Acc No: 1997-322925/199730

XRPX Acc No: N97-267263

Computer system for manufacturing disc pack assemblies - receives set of master discs for particular software product and enters product details and images into two databases that are under control of master data input program

Patent Assignee: MENDLESHAM LTD (MEND-N)

Inventor: CUMMINS A; NEARY M; RYAN E; RYAN K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
IE 71948	B	19970312	IE 94891	A	19941114	199730	B

Priority Applications (No Type Date): IE 94247 A 19940321

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
IE 71948	B		8	G06F-015/40	

Abstract (Basic): IE 71948 B

The system **includes** a master data input for entering images of the master discs into a **first database** and related **product information** into a **second database** . The **product information includes address** codes which define the location of each disc image in the **first database** . Work order means are used for extracting the **address** codes from the **second database** when it is desired to duplicate disc pack assemblies.

The **address** codes and the number of disc pack assemblies, to be duplicated are passed to a duplication station. The duplication station accesses the **first database** at the locations defined by the **address** codes, to read the disc images for use by a disc duplicating machine. Preferably the system **includes** several duplication stations, any of which is able to duplicate disc pack assemblies.

USE - E.g. for manufacturing disc pack assemblies for PC's, by reproduction of disc image information received on master discs. For computer network where index and image databases are stored in central host computer and master data input and work order programs are run at remote workstations.

Dwg.1/2

Title Terms: COMPUTER; SYSTEM; MANUFACTURE; DISC; PACK; ASSEMBLE; RECEIVE; SET; MASTER; DISC; SOFTWARE; PRODUCT; ENTER; PRODUCT; DETAIL; IMAGE; TWO; CONTROL; MASTER; DATA; INPUT; PROGRAM

Derwent Class: T01; T03

International Patent Class (Main): **G06F-015/40**

International Patent Class (Additional): G11B-005/012

File Segment: EPI

28/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6009529 INSPEC Abstract Number: B9810-6210D-008, C9810-7410F-060
Title: CTI in the corporate enterprise
Author(s): Wetterau, J.
Journal: International Journal of Network Management vol.8, no.4 p. 235-43
Publisher: Wiley,
Publication Date: July-Aug. 1998 Country of Publication: UK
CODEN: INMTEU ISSN: 1055-7148
SICI: 1055-7148(199807/08)8:4L.235:CE;1-C
Material Identity Number: O840-98004
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: The goal of computer telephony integration (CTI) is to present information about the caller on a data screen, while the call is in progress. It has the potential to reduce the cost of customer contact, and improve the quality of customer service. The information to be retrieved is **determined** based on the telephony information **determined** from the **phone call**, either **phone number** or caller-selected choices presented by interactive voice response (IVR) selections. This information then does one of two things. Because of the automatic nature of the information retrieval, the holding time for the call is significantly reduced. This will permit the typical customer service agent to handle a larger quantity of calls without an associated diminution of service, thus improving the cost per call. The second advantage of CTI is to provide information about the caller so that while the conversation is progressing, the customers' needs may be more accurately and correctly met. In this way, the caller achieves a greater degree of satisfaction from the call and from the business perspective, if the caller is a happier customer, they will be likely to do more business with the company. Thus it is in the area of customer contact or customer service, that we see CTI deployed. (0 Refs)
Subfile: B C D
Descriptors: business communication; computer networks; database management systems; telecommunication computing; telecommunication standards; telephony
Identifiers: corporate enterprise; computer telephony integration; data screen; customer service quality; telephony information; interactive voice response; information retrieval; call holding time; TAPI standard; TSAPI standard; database technology; computer networks
Class Codes: B6210D (Telephony); B6210L (Computer communications); C7410F (Communications computing); C6160 (Database management systems (DBMS)); C5620 (Computer networks and techniques); D4070 (Telephone systems); D5020 (Computer networks and intercomputer communications); D2080 (Information services and database systems)

28/5/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

5049728 INSPEC Abstract Number: B9510-6210D-025
Title: Telephone technology and data protection
Author(s): Collins, V.
Author Affiliation: Nottingham Law Sch., Nottingham Trent Univ., UK
Journal: Tolley's Computer Law and Practice vol.11, no.3 p.74-83
Publication Date: 1995 Country of Publication: UK
CODEN: TCLPEN ISSN: 0266-4801
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: At home, work and play the telephone system will be able to provide an incredible range of services one of which will be interactive television, linking television and telephone services and enabling subscribers to check their bank balances, do their shopping and choose

video films and recorded programmes. Trials of this system will start in Ipswich and Colchester in 1995. British Telecom also hopes to promote live broadcasting in the future. One development that has already been introduced is Calling Line **Identification** (CLI), a facility possible through the digitisation of telephone networks which, in simple terms, allows the person receiving a **telephone call** to read, from a display on the receiving instrument, the **telephone number** from which the call has been made. Not only does this development have potential problems in relation to the privacy of the individual, it may also lead to breaches of the data protection laws as it involves the processing of personal data. Although CLI can help to reduce malicious and nuisance calls it militates against the use of ex-directory numbers and the confidentiality of callers to helplines and emergency services. CLI could also result in the trapping of callers' numbers for direct marketing purposes as has been the case in America. (49 Refs)

Subfile: B D

Descriptors: data privacy; interactive television; security of data; telephony; television applications

Identifiers: telephone technology; data protection; interactive television; telephone services; British Telecom; live broadcasting; Calling Line Identification; telephone networks; data privacy; data protection laws ; personal data processing; caller confidentiality; marketing

Class Codes: B6210D (Telephony); B6430J (Applications of television systems); D4070 (Telephone systems); D4010 (Television systems)

28/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

04341537 INSPEC Abstract Number: B9303-6130-215, C9303-5585-048

Title: A recognition/synthesis system applied to database access through the telephone network

Author(s): Carlos, F.N.; Carmona, J.P.; Chagas, P.M.; Oliveira, L.C.; Serralheiro, A.J.; Trancoso, I.M.

Author Affiliation: INESC/IST, Lisbon, Portugal

Conference Title: EUROSPEECH 91. 2nd European Conference on Speech Communication and Technology Proceedings p.965-8 vol.2

Publisher: Istituto Int. Comunicazioni, Genova, Italy

Publication Date: 1991 Country of Publication: Italy 4 vol. (xliii+1510+60) pp.

Conference Sponsor: Assoc. Belge Acoust.; Assoc. Italiana di Acustica; CEC; et al

Conference Date: 24-26 Sept. 1991 Conference Location: Genova, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: Describes a prototype of a **recognition** /synthesis system in the Portuguese language. The system was designed to demonstrate an application of the voice-driven database type, consisting of queries to a database installed in a remote computer accessed by the public telephone network. The selected application is a telephone directory service, in which the user requests the **telephone number** of a subscriber by indicating his first and last names, and the system asks for confirmation of the **recognized** names before returning the desired information. If requested, a **telephone call** is made to that particular **telephone number** . The **recognition** of the requested names uses a classical DTW technique, and the confirmation software synthesizes the **recognized** names on the basis of their pre-stored phonetic description, using phoneme concatenation. Preliminary tests with the system show the large potential of this type of applications. (3 Refs)

Subfile: B C

Descriptors: natural languages; speech recognition; speech synthesis; telecommunications computing; telephone systems; user interfaces

Identifiers: speech recognition; speech synthesis; database access; telephone network; Portuguese language; voice-driven database; telephone directory service; telephone number; names; telephone call; DTW;

```
Set     Items   Description
S1       6008   (FIRST OR 1ST OR PRIME OR PRIMARY OR INITIAL OR LEADING OR
           MAIN OR DOMINANT OR CARDINAL OR ORIGINAL)(2N)(DATABASE OR DAT-
           A()BASE OR FILE?)
S2       4007   (SECOND OR 2ND OR ANOTHER)(2N)(DATABASE OR DATA()BASE OR F-
           ILE?)
S3    6935006   CONTAIN? OR INCLUDE? OR HOLD? OR ENCLOSE? OR WRAP?
S4     288945   (TELEPHONE OR PHONE)()NUMBER OR ADDRESS OR (PERSONAL OR PR-
           IVATE OR INDIVIDUAL)(2N)(INFORMATION OR DATA OR FACT? OR KNOW-
           LEDGE)
S5       4649   PRODUCT () (IDENTIFIER? OR CODE?) OR IDENTIFIER?()CODE? OR
           UPC OR UPCS OR PRODUCT()(DATA OR INFORMATION)
S6    2985547   IDENTIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT?
            OR VERIF? OR JUDGE? OR AUTHENTICAT? OR VALIDAT?
S7      30943   (TELEPHONE OR PHONE)()NUMBER
S8      11856   (TELEPHONE OR PHONE)()(CALL OR CONTACT)
S9    5049082   SEND? ? OR TRANSMIT? OR TRANSMISSION OR FORWARD? OR MAIL? -
           OR TRANSFER? OR CONVEY? OR DELIVER? OR OUTPUT? OR OUT()PUT?
S10   1770002   "AT"()LEAST
S11        30   (PORTION? OR PART? OR SEGMENT? OR PIECE)()S5
S12        70   (RETRIEV? OR ACCESS? OR OBTAIN?)()S5
S13       228   S1 AND S3 AND S4
S14        13   S2 AND S3 AND S5
S15      1197   S6 AND S7 AND S8
S16        55   S6 (3N) S7 (3N) S8
S17         0   S9 AND (S10 (2N) S11) AND S12
S18         1   S9 AND S11 AND S12
S19         2   S13 AND S14
S20       327   (S6 (3N) S7) AND S8
S21         1   S20 AND S1
S22        59   S16 OR S18 OR S19 OR S21
S23        13   S22 AND IC=G06F?
S24        16   S1 (5N) S3 (5N) S4
S25        15   S24 NOT S22
S26    223909   DATABASE OR DATA()BASE OR FILE?
S27      9117   S26 AND S3 AND S4
S28         2   S27 AND S14
S29       625   S26 AND S3 AND S5
S30        53   S27 AND S29
S31      2362   S7 AND S8
S32         2   S30 AND S31
S33         1   S30 AND S11
S34         3   S32 OR S33
S35         3   S34 NOT S25
S36         3   S35 NOT S22
File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200445
         (c) 2004  Thomson Derwent
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36/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015491736 **Image available**
WPI Acc No: 2003-553883/200352
Related WPI Acc No: 2002-279213
XRPX Acc No: N03-439713
Customer telephone call **receiving system for customer care center, has switched network for receiving telephone calls by dialing displayed** telephone number **, for routing received call, to preselected customer call centers**
Patent Assignee: HERNANDEZ D (HERN-I); MIR K (MIRK-I)
Inventor: HERNANDEZ D; MIR K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6542601	B1	20030401	US 9882169	P	19980417	200352	B
			US 99293666	A	19990416		

Priority Applications (No Type Date): US 9882169 P 19980417; US 99293666 A 19990416
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6542601	B1		15	H04M-003/00	Provisional application US 9882169

Abstract (Basic): US 6542601 B1
NOVELTY - The system comprises a customer support card (13) for displaying an accessible **telephone number** and a personal identification number (PIN). A switched network (24) receives the telephone calls by dialing the displayed **telephone number** , and facilitates the routing of received calls based on customer and **product information** stored in the **database** (17), to one of the preselected customer care centers (26).
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also **included** for the following:
(1) customer and product support services providing system control method; and
(2) customer support services provision method.
USE - For accepting customer call for providing customer/product support services from customer care center through telecommunication network.
ADVANTAGE - Improves the quantity and efficiency of services for merchandise purchased by the customer. **Database** provides controlled access to call centers and for a specific product brand and/or model and/or customer identification. Provides effective and timely information sharing.
DESCRIPTION OF DRAWING(S) - The figure shows a high level block diagram of the customer support service providing system.
customer support card (13)
database (17)
switched network (24)
preselected customer care center (26)
pp; 15 DwgNo 1A/5
Title Terms: CUSTOMER; TELEPHONE; CALL; RECEIVE; SYSTEM; CUSTOMER; CARE; SWITCH; NETWORK; RECEIVE; TELEPHONE; CALL; DISPLAY; TELEPHONE; NUMBER; ROUTE; RECEIVE; CALL; PRESELECTED; CUSTOMER; CALL; CENTRE
Derwent Class: T01; W01
International Patent Class (Main): H04M-003/00
File Segment: EPI

36/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013956885 **Image available**

WPI Acc No: 2001-441099/200147
XRPX Acc No: N01-326335

Customized outer- wrap information producing method for periodical about outdoor activities, involves comparing subscriber preference information with product information to generate customized outer- wrap information

Patent Assignee: WAIKER DIGITAL LLC (WAIK-N)
Inventor: BEMER K; ROGERS J D; VAN LUCHENE A S; WALKER J S
Number of Countries: 094 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200116827	A2	20010308	WO 2000US20636	A	20000731	200147	B
AU 200063893	A	20010326	AU 200063893	A	20000731	200147	

Priority Applications (No Type Date): US 99384486 A 19990827
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200116827	A2	E	36	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200063893	A		G06F-017/60	Based on patent WO 200116827

Abstract (Basic): WO 200116827 A2

NOVELTY - A subscriber preference data are retrieved from a **database** and then fed to a subscriber (110). The subscriber in turn transmits the received data to a fulfillment house device (200). The fulfillment house device compares the received data with **product information** received from either publisher (130) or **database** to generate customize outer- **wrap** information.

DETAILED DESCRIPTION - The subscriber preference data consists of either **telephone call** to an operator, mailed message, blow-in card, interactive voice response unit, dual tone multi-frequency telephone signal, facsimile message, e-mail message and web page response. The subscriber preference information comprises information associated with category code, type of product, particular product, product manufacturer and product retailer. The **product information** comprises either an article, photograph, graphic, advertisement, sample, article identifier, page number, content category, type of product, particular product, manufacturer, retailer, price range and product price. The customized outer- **wrap** information is associated with either type of product, product manufacturer, product retailer, price range, advertisement, **telephone number** , e-mail **address** , uniform resource locator, coupon, photograph, graphic, bar code, **product identifier** and product offer code. INDEPENDENT CLAIMS are also **included** for the following:

(a) Customized outer- **wrap** information producing device;
(b) Recording medium;
(c) Product selling method

USE - For placement of **product information** on customized outer **wraps** for periodicals about outdoor activities including adventure travel, environmentalism, scuba diving, mountaineering.

ADVANTAGE - Customized outer- **wrap** information is relevant to subscriber's interests and provides a guide to further information about specific products **contained** within standard printed content of periodicals.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of customized outer- **wrap** information producing system.

Subscriber (110)
Publisher (130)
Fulfillment house device (200)
pp; 36 DwgNo 1/9

Title Terms: OUTER; **WRAP** ; INFORMATION; PRODUCE; METHOD; PERIOD; OUTDOOR; ACTIVE; COMPARE; SUBSCRIBER; PREFER; INFORMATION; PRODUCT; INFORMATION;

GENERATE; OUTER; **WRAP** ; INFORMATION
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

36/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013683420 **Image available**
WPI Acc No: 2001-167633/200117
Related WPI Acc No: 1999-394065; 2002-654599; 2003-075360
XRPX Acc No: N01-120830

Product information **distribution for Internet based commercial transaction, by processing request message by referring cross-reference resource to forward redirect message to browser to generate download request**

Patent Assignee: CALL C G (CALL-I)
Inventor: CALL C G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6154738	A	20001128	US 9849426	A	19980327	200117	B
			US 99316597	A	19990521		

Priority Applications (No Type Date): US 99316597 A 19990521; US 9849426 A 19980327
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6154738	A		27	G06F-015/173	CIP of application US 9849426 CIP of patent US 5913210

Abstract (Basic): US 6154738 A

NOVELTY - A cross-reference resource representing the correlation between universal **product code** values and Internet **address** source is generated, to process request message from user. A redirect message is forwarded to web browser based on processing result and accordingly download request message is output. The relevant **product information** from server is loaded to browser in response to the output request.

DETAILED DESCRIPTION - The universal **product code** values representing the products designated, by group of code values in extensible markup language, are generated. A web page **containing** the hyperlink of reference information relevant to **product codes** is forwarded through the internet. The web page is accessed by browser using browsing program. The request message **containing partial product code** value is output by the user, based on which the cross-reference resource is referred, to identify the internet **address** of product **database** . The retrieved information is displayed automatically. An INDEPENDENT CLAIM is also **included** for the **product information** distributing apparatus.

USE - For internet based commercial transaction used in retrieval of **product information** and other information utilized in retail store, advertisement and shipping services, etc.

ADVANTAGE - Eliminates need for retailer to store detailed **product information** , by universal **product codes** , thereby enhances accessing efficiency of customers. By storing the **partial product code** in reference **database** , the processing is simplified and hence size of **database** is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the **product data** format in **product code** translator.

pp; 27 DwgNo 2/8

Title Terms: PRODUCT; INFORMATION; DISTRIBUTE; BASED; COMMERCIAL; TRANSACTION; PROCESS; REQUEST; MESSAGE; REFER; CROSS; REFERENCE; RESOURCE ; FORWARD; REDIRECT; MESSAGE; GENERATE; REQUEST
Derwent Class: T01
International Patent Class (Main): G06F-015/173

Set	Items	Description
S1	6008	(FIRST OR 1ST OR PRIME OR PRIMARY OR INITIAL OR LEADING OR MAIN OR DOMINANT OR CARDINAL OR ORIGINAL)(2N)(DATABASE OR DATA()BASE OR FILE?)
S2	4007	(SECOND OR 2ND OR ANOTHER)(2N)(DATABASE OR DATA()BASE OR FILE?)
S3	6935006	CONTAIN? OR INCLUDE? OR HOLD? OR ENCLOSE? OR WRAP?
S4	288945	(TELEPHONE OR PHONE)()NUMBER OR ADDRESS OR (PERSONAL OR PRIVATE OR INDIVIDUAL)(2N)(INFORMATION OR DATA OR FACT? OR KNOWLEDGE)
S5	4649	PRODUCT () (IDENTIFIER? OR CODE?) OR IDENTIFIER?()CODE? OR UPC OR UPCS OR PRODUCT()(DATA OR INFORMATION)
S6	2985547	IDENTIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT? OR VERIF? OR JUDGE? OR AUTHENTICAT? OR VALIDAT?
S7	30943	(TELEPHONE OR PHONE)()NUMBER
S8	11856	(TELEPHONE OR PHONE)()(CALL OR CONTACT)
S9	5049082	SEND? ? OR TRANSMIT? OR TRANSMISSION OR FORWARD? OR MAIL? - OR TRANSFER? OR CONVEY? OR DELIVER? OR OUTPUT? OR OUT()PUT?
S10	1770002	"AT"()LEAST
S11	30	(PORTION? OR PART? OR SEGMENT? OR PIECE)()S5
S12	70	(RETRIEV? OR ACCESS? OR OBTAIN?)()S5
S13	228	S1 AND S3 AND S4
S14	13	S2 AND S3 AND S5
S15	1197	S6 AND S7 AND S8
S16	55	S6 (3N) S7 (3N) S8
S17	0	S9 AND (S10 (2N) S11) AND S12
S18	1	S9 AND S11 AND S12
S19	2	S13 AND S14
S20	327	(S6 (3N) S7) AND S8
S21	1	S20 AND S1
S22	59	S16 OR S18 OR S19 OR S21
S23	13	S22 AND IC=G06F?
S24	16	S1 (5N) S3 (5N) S4
S25	15	S24 NOT S22

File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200445
(c) 2004 Thomson Derwent

25/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07091509 **Image available**
SYSTEM AND METHOD FOR SETTLEMENT

PUB. NO.: 2001-319165 [JP 2001319165 A]
PUBLISHED: November 16, 2001 (20011116)
INVENTOR(s): HATTORI TORU
APPLICANT(s): NEC CORP
APPL. NO.: 2000-135870 [JP 2000135870]
FILED: May 09, 2000 (20000509)
INTL CLASS: G06F-017/60; G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a simple and inexpensive settlement system whose convenience is high and which can easily be introduced.

SOLUTION: The settlement system for mediating transaction settlement when a first requester pays a cost to a second requester through the Internet is provided with a **first data base holding** the name, **telephone number** and account number of the financial institution of the first requester, a second data base holding the name and the account number of the financial institution of the second requester and a control means for issuing a reservation number in accordance with the name and the telephone number of the first requester, which the second requester transmits, and the name of the second requester, holding the number in a third data base and instructing the immediate settlement system of the financial institution on the transfer of only the amount of the cost from the account of the financial institution of the first request to the account of the second requester in accordance with a payment instruction and the reservation number which the first requester transmits.

25/5/8 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012320990 **Image available**
WPI Acc No: 1999-127096/199911
XRPX Acc No: N99-093276

Automatic generation and transmission method of electronic text-file by electronic mail - by including unique keyword corresponding to address in file name

Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11003381	A	19990106	JP 97153325	A	19970611	199911	B

Priority Applications (No Type Date): JP 97153325 A 19970611
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11003381	A		12	G06F-019/00	

Abstract (Basic): JP 11003381 A

NOVELTY - The files are input to the system as text files. The system generates files based on the keyword for specific transmission by electronic mail and unique keyword for transmission to a specific address contained in them. The files are then named by the unique keyword and sorted by destination. Then, automatic transmission of the files is done to each destination.

USE - For generation and transmission of electronic text files by E-mail.

ADVANTAGE - As the **address** is **contained** in the **file** name, the **main** document need not be opened. DESCRIPTION OF DRAWING(S) - The figure represents block diagram of automation system for transmission of electronic mail.

Dwg.1/9

Title Terms: AUTOMATIC; GENERATE; TRANSMISSION; METHOD; ELECTRONIC; TEXT; FILE; ELECTRONIC; MAIL; UNIQUE; KEYWORD; CORRESPOND; ADDRESS; FILE; NAME
Derwent Class: T01; W01
International Patent Class (Main): G06F-019/00
International Patent Class (Additional): G06F-013/00; H04L-012/54; H04L-012/58
File Segment: EPI

25/5/12 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

010691100 **Image available**
WPI Acc No: 1996-188056/199619
XRPX Acc No: N96-157351

Logic verification method by simulating logic circuit model by using instruction interpreter - registering in file gp of logic circuit structure information or gp of execution status data at desired locations in desired program to be executed in instruction interpreter

Patent Assignee: HITACHI LTD (HITA)
Inventor: OSAKABE K; SUZUKI K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5504862	A	19960402	US 94215380	A	19940321	199619	B

Priority Applications (No Type Date): JP 9367966 A 19930326
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5504862	A		10	G06F-011/00	

Abstract (Basic): US 5504862 A

The method involves outputting from an instruction interpreter to a second **file first** status information. The latter **contains** data information and **address** information in the instruction interpreter. That is performed after a time when an executable program loaded from the first file has been executed and stopped at a first inputted address location in the instruction interpreter.

The method also entails outputting from the instruction interpreter to the second file second status information. The latter includes data and address information stored in the instruction interpreter. That is carried out after another time when an executable program loaded from the first file has been executed and stopped at a second inputted address location in the instruction interpreter. The first status information is then set in a memory device of the logic circuit model and then it is output to a display.

USE/ADVANTAGE - As logic verification appts. Allows rewriting data at portion where an error occurs in desired program.

Dwg.2/4

Title Terms: LOGIC; VERIFICATION; METHOD; SIMULATE; LOGIC; CIRCUIT; MODEL; INSTRUCTION; INTERPRETATION; REGISTER; FILE; GROUP; LOGIC; CIRCUIT; STRUCTURE; INFORMATION; GROUP; EXECUTE; STATUS; DATA; LOCATE; PROGRAM; EXECUTE; INSTRUCTION; INTERPRETATION
Derwent Class: T01; U11; U21
International Patent Class (Main): G06F-011/00
File Segment: EPI